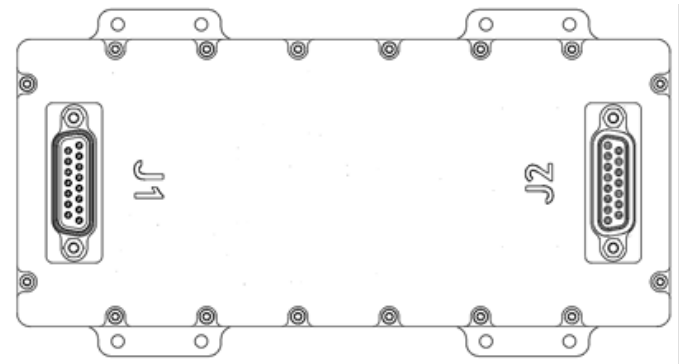
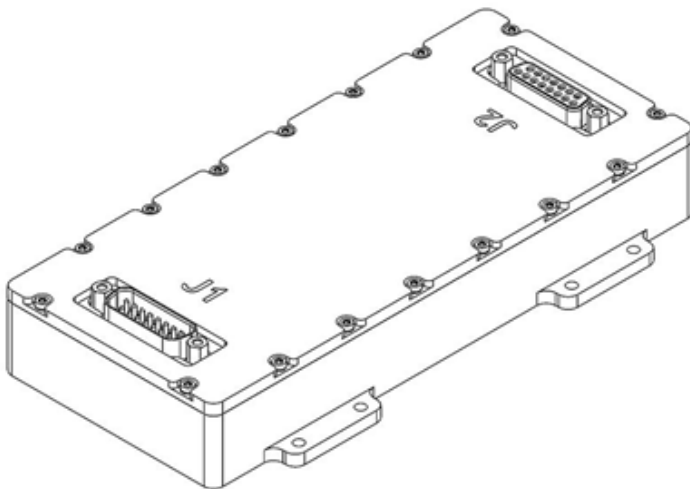


BLDC MOTOR CONTROLLER

Class B Product Line

Honeybee Robotics' single channel controller drives a three-phase brushless direct current (BLDC) motor and is compliant with EEE-INST-002 Level III part pedigree requirements. The controller offers an RS-422 UART command interface, hall sensor feedback, and optional limit switches while supporting a voltage range of 22 to 32V. A motor disconnect circuit is available for use with a companion controller in redundant configurations.

BLDC Controller



Drawings not to scale.

BLDC MOTOR CONTROLLER

Class B Product Line

Parameter	Units	LEO Controller
Mass	lbm [kg]	1.21 [0.55]
Dimensions	inches [cm]	6.65 L x 3.50 W x 1.02 H [16.90 L x 8.90 W x 2.59 H]
Voltage	V DC	24 to 34
Motor Type	-	3-phase BLDC
Commutation Sensing	Type	Hall Effect Device
Position Sensing	Type	2x Limit switch
Power (quiescent)	W	< 5.0
Output Current (maximum)	A	4.0
Command Interface	Serial	RS-422 UART
Parts Pedigree	EEE-INST-002	Level 3
Radiation Tolerance	krad	30
Single Event Tolerance	MeV-cm ² /mg	> 37
Connectors	Type	15 pin D-Sub

Release Date: 2025-06-25



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Request more information at <https://www.blueorigin.com/contact-product-sales>